HUBKA, M.; SUJANSKY, E.; SILVAY, J.; GRUNERT, V.

Possibilities of brain perfusion with cytostatics using extracorporeal circulation. Rozh. chir. 42 no.9:585-589 S '63.

1. Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akad. K. Siska Neurologicka klinika Lekarskej fakulty UK v Bratislave, prednosta doc. J. Zucha.

(ISOLATION PERFUSION) (HEART MECHANICAL)
(ANTINEOPLASTIC AGENTS) (CYCLOPHOSPHAMIDE)
(BRAIN NEOPLASMS)

HUBKA, M.; FEDELESOVA, M.; ZIEGELHOFFER, A.; SILVAY, J.; SUJANSKY, E.

On the problem of acid-base equilibrium during 2 hours of extracorporeal circulation. Bratisl. lek. listy 43 Pt. 2 no.4: 209-216 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.
(HEART, MECHANICAL) (ACID-BASE EQUILIBRIUM)
(HYPOTHERMIA, INDUCED)

HUBKA, M.; SUJANSKY, E.; SILVAY, J.; FEDELESOVA, M.; ZIEGELHOFFER, A.

Current status of the problem of artificial asystoles. Bratisl. lek. listy 43 Pt. 2 no.4:185-189 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej medicíny SAV v Bratislave, veduci akademik CSAV K. Siska.

(HEART ARREST) (HEART SURGERY)
(HEART, MECHANICAL) (HYPOTHERMIA, INDUCED)
(POTASSIUM) (MAGNESIUM SULFATE) (NEOSTIGMINE)

HUBKA, M.; FEDELESOVA, M.; ZIEGELHOFFER, A.; SUJANSKY, E.; SILVAY, J.

Changes in glycide and energy metabolism of the myocardium during artificial asystoles under experimental conditions. Bratisl. lek. listy 43 Pt. 2 no.4:189-196 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

(HEART ARREST) (HEART MECHANICAL) (MYOCARDIUM)
(ENERGY METABOLISM) (HYPOTHERMIA, INDUCED)
(CARBOHYDRATE METABOLISM) (GLUTATHIONE)
(ASPARTATE AMINOTRANSFERASE)
(ADENINE NUCLEOTIDES)

HUBKA, M.; ZIEGELHOFFER, A.; FEDELESOVA, A.; SILVAY, J.; SUJANSKY, E.

Changes in the acid-base equilibrium and concentration of cations in artificial asystoles under experimental conditions. Bratisl. lek. listy 43 Pt. 2 no.4:197-204 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

(ACID-BASE EQUILIBRIUM) (HEART ARREST)
(HYPOTHERMIA, INDUCED) (OXIMETRY) (SODIUM)
(POTASSIUM) (CALCIUM) (HEART, MECHANICAL)

LICKO, T.; SUJANSKY, E.

Use of extracorporeal circulation in right-sided heart strain under experimental conditions. Bratisl. lek. listy 43 Pt. 2 no.4:216-221 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

(HEART, MECHANICAL) (PULMONARY ARTERY)
(HEART FAILURE, CONGESTIVE) (HEART ARREST)
(TISSUE METABOLISM) (ENERGY METABOLISM)

HUBKA, M.; SILVAY, J.; SUJANSKY, E.; ZIMA, P.; HOLEC, V.

Evaluation of the physiological parameters of the type 3 apparatus for extracorporeal blood circulation. Bratisl. lek. listy 63 no.3:130-135 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV, veduci akademik CSAV K. Siska.
(HEART, MECHANICAL)

HUBKA, M.; SISKA, K.; BOLF, J.; SUJANSKY, E.; SILVAY, J.

Evaluation of different types of artificial valves. Bratisl. lek. listy 63 no.3:154-161 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska. CSAV - Ustav merania a meracich pristrojov, riaditel' akademik L. Kneppo.
(HEART VALVES) (AORTIC VALVE) (HEART SURGERY)
(HEART, MECHANICAL) (ARTIFICIAL ORGANS)

SISKA, K.; HUBKA, M.; SUJANSKY, E.; SILVAY, J.

The current status of aortic valve surgery. Bratisl. lek. listy 63 no.3:149-153 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

(AORTIC VALVE DISEASES) (HEART SURGERY)
(HEART, MECHANICAL)

SISKA, K.; HUBKA, M.; SUJANSKY, E.; SILVAY, J.

Implantation of artificial aortic valves under experimental conditions. Bratisl. lek. listy 63 no.3:161-165 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej medicíny SAV Bratislava, veduci akademik CSAV K. Siska.

(AORTIC VALVE) (HEART SURGERY)
(HEART, MECHANICAL) (ARTIFICIAL ORGANS)

SILVAY,J.; SISKA,K.; HUBKA,M.; SUJANSKY,E.

Hematological changes in extracorporeal blood circulation in experimental conditions. Bratisl. lek. listy 44 no.4:223-229 '64.

1. Oddelenie experimentalnej chirurgie Ustavu experimentalnej medicíny SAV; veduci: akademik CSAV K.Siska.

*

SOJANSKY, E.; HORECKY, J.; SILVAY, J.

Vascular tonus changes during selective hypothermia of brain. Bratisl. lek. listy 45 no.11:666-674 15 Je '65.

1. Ustav experimentalnej chirurgie Slovenskej akademie vied v Bratislave (riaditel:akademik K. Siska, Dr.Sc.) a Exp. laboratorium II. chirurgickej kliniky Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci: akademik K. Siska, Dr.Sc.).

SUJBERT, Laszlo, dr.

Traffic accidents following alcoholic intoxication and possibilities for their prevention. Nepegeszsegugy 43 no.3:88-92 Mr '62.

1. Kozlemeny a Budapesti Orvostudomanyi Egyetem Kozegeszsegtani Intezetebol (igazgato: Melly Jozsef dr. egyetemi tanar)

(ACCIDENTS TRAFFIC) (ALCOHOLIC INTOXICATION compl)

GRABOWSKI, Krzysztof; ZAKRZEWSKA, Franciszka, doc. dr.; SUJECKA-SZYMKIEWICZ, Halina

Effect of prolonged trihexyphenidyl therapy of drug-induced extrapyramidal syndromes. Neurol., neurochir., psychiat. Pol. 14 no.6:935-941 N-D '64

1. Z Pracowni Patofizjologii Układu Nerwowego Człowieka Państwowego Instytutu Psychoneurologicznego w Pruszkowie (Kierownik: doc. dr. F. Zakrzewska).

ZAKRZEWSKA, Franciszka, doc. dr. med.; SUJECKA-SZYMKIEWICZ, Halina; GRABOWSKI, Krzysztof.

Clinical and electromyographic analysis of extrapyramidal symptoms caused by neuroleptics and their relation to the type of drugs. Neurol., neurochir., psychiat. Pol. 15 no.1:93-99 Ja-F'65.

1. Z Pracowni Patofizjologii Ukladu Nerwowego Czlowieka Instytutu Psychoneurologicznego w Pruszkowie (Kierownik: doc. dr. med. F. Zakrzewska).

SUJECKA-SZYMKIEWICZ, Halina; ZAKRZEWSKA, Franciszka, doc. dr. med.; GRABOWSKI, Krzysztof.

Clinical and electromyographic analysis of the akinetic syndrome in neuroleptic therapy. Neurol., neurochir., psychiat. Pol. 15 no.1:101-106 Ja-F'65.

Electromyographic analysis of a single dose of orphenadrine hydrochloride (disipal) and meprobamate on post-medication extrapyramidal syndrome. Ibid.:107-113

1. Z Pracowni Patofizjologii Ukladu Nerwowego Czlowieka Instytutu Psychoneurologicznego w Pruszkowie (Kierownik Pracowni: doc. dr. med. F. Zakrzewska).

SUJECKA-SZYMKIEWICZ, Halina

Effect of haloaniscne (MD 2028) on psychomotor excitability in mental patients. Neurol. neurochir. psychiat. Pol. 14 no.1:101-103 Ja-F '64.

1. Z Pracowni Wyzszych Czynnosci Nerwowych Czlowieka Instytutu Psychoneurologicznego w Pruszkowie (Kierownik Pracowni: Doc. dr. med. F. Zakrzewski).

SUJIC, J.

SUJIC, J. Small stone blocks, their use and production. p. 21

Vol. 5, no. 1, Jan. 1957
CESTE I MOSTOVI
TECHNOLOGY
Zagreb

So: East European Accession, Vol. 6, no. 3, March 1957

SUJIC, J.

The limestone quarry in Wheatley and the equipment for crushing and sorting stone in Hapsford England. p. 151.
(Ceste I Mostovi, Vol. 5, no. 4, Apr. 1957. Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

LESIAK, Tadeusz; HUSZCZA, Danuta; SUJKOWSKA, Krystyna

Studies on the utilization of o-nitroethylbenzene. Pt. 1. Reduction of o-nitroethylbenzene i solutions of electrolytes. Przem chem 40 no.9: 506-509 S '61.

1. Katedra Chemii Organicznej, Uniwersytet im. Mikolaja Kopernika, Torun.

LESIAK, Tadeusz; HUSZCZA, Danuta; SUJKOWSKA, Krystyna

A study of the utilization of o-nitroethylenebenzene. Pt. 1. Reduction of o-nitroethylenebenzene in the solutions of electrolytes. Przem chem 40 no.9:506-509 S '61.

1. Katedra Chemii Organicznej, Uniwersytet Mikolaja Kopernika, Torun.

SUK, A.

CA

16

Citric acid and its salts. Antonín Suk (Kaznejov u Plzne, Czechoslovakia). *Chem. Obzor* 22, 229–30(1947). —Com. production of citric acid from molasses by *Aspergillus niger* is described. Dild. sugar-beet molasses contg. 14–18% sugar solids is sterilized, inoculated by the proper species of *A. niger*, and allowed to stand at 30–4°, 45–60% relative humidity, for 7–9 days. The industrial uses of citric acid and its salts are discussed. J. Micka

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SUK, A.

CA

16

Calcium gluconate, gluconic acid, and its salts. Antonin Suk (Kaznejov u Plzne, Czechoslovakia). *Chem. Obsor* 22, 232-33(1947).—Potato starch hydrolyzed by acid and glucose with the aid of compressed air is fermented with *Aspergillus niger* by the submersion method at 32-40° for 2-4 days until 90% yield is attained. I. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SUK, Cyril, inz. dr.; KODR, Gustav, inz.

Design of the first Czechoslovak junction station of different electric railroad systems. Zel dop tech 12 no. 7:184-186 '64.

SUK, Cyril, inz. dr.

Contribution of the competition on the solution of the urban traffic in front of the National Museum to the future Central Railroad Station in Prague. Doprava 7 no.1:72-76 '65.

SUK, I.S.

Use of cortisone in compound treatment of epidemic hepatitis.
Vrach. delo no.2:107-111 F '62. (MIRA 15:3)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I. Khomenko) Kiyevskogo instituta usovershenstvovaniya vrachey.
(HEPATITIS, INFECTIOUS)
(CORTISONE)

SUK, I.S.

Cortisone treatment by the intermittent cyclic method in Botkin's disease. Vrach.delo no.8:118-123 Ag '62. (MIRA 15:11)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I.Khomenko) Kiyevskogo instituta usovershenstvovaniya vrachey.
(HEPATITIS, INFECTIOUS) (CORTISONE)

SUK, I.S.

State of the cardiovascular system in epidemic hepatitis following treatment with cortisone. Vrach.delo no.1:90-92 Ja '63. (MIRA 16:2)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I. Khomenko) Kiyevskogo instituta usovershenstvovaniya vrachey.
(HEPATITIS, INFECTIOUS) (CARDIOVASCULAR SYSTEM)
(CORTISONE)

BOZDECH,V.; BRESTAK, M.; CECH,E.; PAPEZ,L.; SUK, J.

Our experiences with the diagnosis of toxoplasmosis using an intradermal test and complement fixation reaction. Cesk. gynek. 30 no.1:139-141 Mr'65.

1. Zoolog. ustav prirodoved. fakulty Karlovy University (prednosta: akademik O. Jirovec) a I. gyn.-por. klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: prof. dr. K.Klaus, DrSc.).

SUK, J.

Difficulties caused by poor melting and condensation of artificial resin; also, remarks by B. Kuzmek. p. 305. TEKSTIL. (Drustvo inzenjera i tehnicara tekstilaca Hrvatske) Zagreb. Vol. 5, no. 4, Apr. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

39001
Z/014/62/000/006/001/001
E192/E382

9.2180

AUTHOR: Suk, Josef, Engineer

TITLE: The problem of long-term frequency stability of piezoelectric quartz resonators with shear-thickness oscillations (Part 1)

PERIODICAL: Sdělovací technika, no. 6, 1962, 205 - 207

TEXT: The causes of the long-term frequency instability of shear-thickness oscillating quartz resonators with Au, Ag, Ni and Al electrodes deposited by evaporation in vacuum were investigated. Particular attention was paid to the influence of surface oxidation of the electrodes with resonators of AT cut with ground and etched surfaces. The frequency of the resonators was measured by a wavemeter type "Schomandl", having a stability of twice 10^{-8} per day at a constant ambient temperature. It was found that the main cause of the fall in frequency as a function of time was an increase in the mass of the electrodes as a result of their surface oxidation. However, in all cases, the relative fall in frequency, except in resonators with Al electrodes on

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SUK, Josef, inz.

Problem of long-term frequency stability of piezoelectric crystal resonators with shear thickness vibrations. Sdel tech 10 no.7:251-254 Jl '62.

experiments showed that irradiation with [illegible]
crystals. These are apparent in an increased dispersion of light in the ultra-violet region and disappear at 70°K. There are 6 figures.

KOTASEK, Alfred, prof., DrSc.; HOKECEK, Vladimir, CSc.; BRESTAK, Miroslav; SUK, Karel

Inactivation of antidiuretic hormone in pregnancy. Cesk. gynek. 27 no.1/2:80-82 Mr '62.

1. I gyn. por. klin. KU v Praze, prednosta prof. MUDr. Karel Klaus, DrSc. III int. klin. KU v Praze, laborator pro endokrinologii a metabolismus, prednosta akademik Josef Charvat.

(PREGNANCY TOXEMIAS physiol)
(PREGNANCY physiol)
(VASOPRESSIN physiol)

CECH, Evzen; SUK, Karel; BRESLAK, Miroslav; statisticka spoluprace: DRDKOVA, Sona, mag. mat.

Effect of neuroplagic analgesia on the frequency and course of prolonged labor. Cesk. gyn. 27[41] no.5:397-401 Je '62.

1. I. gyn. por. klin. KU v Praze, prednosta prof. dr. K. Klaus, DrSc. Vyzkumny ustav psychiatricky, Praha.
(ANESTHESIA OBSTETRICAL) (HIBERNATION ARTIFICIAL)

KOTASEK, A., prof., DrSc.; FASSATTI, M.; BRESTAK, M.; SUK, K.

Functional liver sequelae in late toxemias. Cesk. gyn. 27 [41] no.6/7:467-469 Ag '62.

1. I. gyn.-por. klin. fak. vseob. lek. KU v Praze, prednosta prof. dr. K. Klaus, DrSc. III. int. klin. fak. vseob. lek. KU v Praze, prednosta akademik J. Charvat.
(PREGNANCY TOXEMIAS) (LIVER FUNCTION TESTS)
(SULFOBROMOPHTHALEIN)

KANTUREK, J.; SUK, K.

Line scattering images on crystals of NaCl with nickel. Pt.2. Chekhosl fiz zhurnal 13 no.11:800-809 '63.

Line scattering images on admixtures in alkali halides. 810-813

1. Ustav fyziky pevnych latek, Ceskoslovenska akademie ved, Praha.

KOTASEK, A.; STASTNY, J.; KUZEL, D.; BREŠTAK, M.; ŠUK, K.; ČERVENKA, J.

The estrogen level in the prognosis of the fetus in women with late toxemias. Cesk. gynek. 29 no.6:478-482 Ag '64.

1. Gyn.-por. klin. fak. vsecb. lek. Karlovy University v Praze (prednosta prof. dr. K. Klaus, DrSc.).

SUK, Marcel, inz.

On training and competition of operators of high-lifting trucks. Podn org 19 no.5:216-218 My '65.

1. Research Institute of Handling of Materials, Prague.

SUK, M.

Determining the lifetime of the μ meson from anomalous absorption by the method of nuclear emulsion. p. 14. (Ceskoslovensky Casopis Pro Fysiku. Vestnik. Vol. 7, no. 1, 1957.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Listr: 4E3d/4E4c 19

Determination of the lifetime of μ mesons from anomalous absorption [illegible]
[illegible] Sus. Zhur. Eksp. Teor. Fiz. 7, [illegible] (1947), in Russian (English abstract). Previous measurements of the life of μ [illegible] away from the av. at. no. of elements contained in the air. The present data uses the absorber C which is very near the

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AUTHORS: Belyakov, V. A., Van Shu-fen', Glagolev, V. V., Dalkhazhav, N., Lebedev, N. M., Mel'nikova, N. N., Nikitin, V. A., Petrzhilka, V., Sviridov, V. A., Suk, M., Tolstov, K. D.

TITLE: Inelastic Interactions of 7 Bev π^--Mesons and Nucleons

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 39, No. 4(10), pp. 937-947

TEXT: The inelastic interaction of 7-Bev π^--mesons with nucleons is studied in this paper. The preliminary results were communicated to Kiyevskaya konferentsiya po fiziki vysokikh energiy (Kiyev Conference on the Physics of High Energies). The emulsion chamber consisted of 240 ШИКФИ-Р (NIKFI-R) layers with a thickness of 400μ. 5300 interactions with the nuclei of photoemulsion were observed. Of these, 535 inelastic interactions were analyzed (Table 1). The theoretical distribution of the charged particles was calculated by V. S. Barashenkov. Spurious scattering was eliminated by special measurements (Table 2). 459 pions and 134 protons

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were identified. The angular distribution of pions and the total distribution of all stars (in c.m.s.) are shown in Fig. 1. For smaller number of charged particles, the asymmetry increases strongly. This is principally due to pions with large momenta (Fig. 2). Therefore, the angular distributions are very different for fast and slow pions (Fig. 3). Pions with momenta < 0.5 Bev show an almost isotropic distribution. From the angular and total distributions of protons (Fig. 4) it is seen that the protons conserve their initial direction. From the momentum distributions of pions and nucleons, the authors conclude that the average momentum of the nucleons and of the charged pions does not depend on the increase of the number of charged particles. The same result follows from the data for the average transverse momenta $\bar{p}_\perp$ of protons and pions given in Table 3. Fig. 7 shows the number of neutral mesons as a function of the number of charged particles. The results can be interpreted only partly by the statistical theory. The asymmetry of the angular distribution of the secondary pions can only be explained by a peripheric collision of the pion with a pion of the nucleon shell (Figs. 8 and 9). An estimate of the radius of the nucleon core gave the

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maximum value of 4.10^{-14} cm. The authors summarize the results as follows: Average momentum of protons = (0.89±0.04) Bev/c, average transverse momentum = (0.57±0.04) Bev/c; asymmetry of angular distribution of all pions = 1.56±0.10; pions with $p > 0.5$ Bev/c are emitted in the forward direction, their average momentum equaling (0.87±0.06) Bev/c and agrees, therefore, with that of the protons. The authors thank D. I. Blokhintsev and V. I. Veksler for discussion and advice. There are 9 figures, 3 tables, and 23 references: 9 Soviet, 8 US, 1 British, 1 German, 4 Italian, 1 Japanese, and 1 Polish.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: May 11, 1960

Card 3/3

VOTRUBA, M.; PERNEGR, Ya.; SUK, M.; SHIMAK, V.

Anisotropy of the angular distribution of particles in nuclear interactions at energies $>10^{12}$ ev. Zhur.eksp.i teor.fiz. 40 no.3:976-979 Mr '61. (MIRA 14:8)

1. Fizicheskiy institut Chekhoslovatskoy akademii nauk, Praga, i Fakul'tet tekhnicheskoy i yadernoy fiziki ChPl, Praga.
(Nuclear reactions)

PETRZILKA, V., POPOVA, L. G., SUK, M. SHAKHBAZYAN, B. A.

"Inelastic Interactions of π-Mesons of Momenta 7 Gev/C with Nucleons"

report presented at Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962

Joint Institute for Nuclear Research
Laboratory of High Energies, Dubna, 1962

BOHM, J.; PETRZILKA, V.; SUK, M.

On peripheral pion-nucleon interactions at 7 GeV.
Chekhosl fiz zhurnal 13 no.10:703-709 '63.

1. Fakulta technicke a jaderne fyziky, Ceske vysoke uceni technicke, Praha.

L 10235-63 BDS/EWT(m)--AFFTC/ASD--IJP(C)

ACCESSION NR: AP3000041 S/0056/63/044/005/1497/1499

AUTHOR: Bem, Ya.; Bohm, J.; Petrzilka, V.; Suk, M. (Z) 60 59

TITLE: Peripheral pion-nucleon interactions at 7 Bev

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 44, no. 5, 1963, 1497-1499

TOPIC TAGS: Pion-nucleon interactions, one-pion exchange model, Fermi statistical theory

ABSTRACT: An attempt is made to select peripheral negative pion-nucleon interactions which can be described by a one-pion exchange model. The criteria used to select the events are listed. Altogether, 101 events satisfied the criteria from among 951 Pi-minus N interactions. From the fact that the number of (Pi, N) and (Pi, Pi) isobars among 169 events is relatively small, it is concluded that the number of events going through the isobar channels is only a small fraction of the total number of the Pi-minus N interactions at 7 Bev.
"The authors would like to thank E. Fenyves, K. Lanius, and K. D. Tolstov for permission to use their experimental data, and J. Pernegr and V. Simak for an

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L 10235-63
ACCESSION NR: AP3000041

interesting discussion and advice." Orig. art. has: 2 figures, 8 formulas.

ASSOCIATION: Czechoslovak Technical University, Prague

SUBMITTED: 14Dec62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: PH NR REF SOV: 002 OTHER: 005

Card 2/2

SUK, M.

Use of heavy minerals in mapping crystalline formations. p. 150.
(Casopis Pro Mineralogii A Geologii, Vol. 2, no. 2, 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

SUK, M.

GEOGRAPHY & GEOLOGY

Periodicals: GEOLOGICKE PRACE. ~~Vol. 45,~~ No. 50, 1958.

SUK, M. Survey of geologic and petrographic conditions in the Blatna and Strakonice regions. p. 71.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959, Unclass.

SUK, M.

"A survey of some opinions on the theory and systematics of metasomatic processes in the petrogenesis."

VESTNIK, ustredni ustav geologicky, Prague, Czechoslovakia, Vol. 34, No. 3, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncl.

CZECHOSLOVAKIA

SUK, M.

Prague, Vestnik ustredniho ustavu geologickeho, No 5, 1963, pp 355-357

"New Opinions of the Austrian Geologists on the Petrogenesis of the Moldanubian Rocks in the Muhlviertel and Sauwald."

SUK, Milos; VEJNAR, Zdenek

"Petrography of metamorphosed rocks" by B. Hajtman. Reviewed by Milos Suk, Zdenek Vejnar. Vest Ust geol 38 no.4:284-286 Je '63.

SUK, Milos

Origin of migmatites during the regional and contact migmatization. Vest Ust geol 39 no. 1: 55-64 '64.

[illegible] color indicators in anhydrous acetic acid. [illegible]
Tomiček and V. Sůk (Charles Univ., Hradec Králové, Czech.) [illegible]
[illegible] Acad. Czech. 1, 315-53(1956). (1)
[illegible] indicators [illegible] tested for use in [illegible]

CA

Analytical Chemistry - 7.

Chemical indicators. I. A study of fluorescence indicators. Oldřich Tomíček and Václav Suk (Charles Univ., Prague, Czech.). *Chem. Listy* 46, 139-44(1952).—Some compds. were tested as new fluorescence indicators for neutralization analysis. The pH range of formation, extinction, or change of fluorescence of the following are: β-naphthoquinoline 4.4–6.3; 3-aminonaphthoic acid 1.5–3.0, 4.0–6.0, 11.6–13.0; β-naphthol-6,8-disulfonic acid 7.5–9.1; 1,8-aminonaphthol-3,6-disulfonic acid 2.2–3.8; 1-naphthylamino-7-sulfonamide, 1-naphthylamino-6-sulfonamide, 2-naphthylamino-8-sulfonamide, and 2-naphthylamino-6-sulfonamide 1.9–3.9, 9.6–13.0; anthranilic acid 1.5–3.0, 4.0–6.0, 12.5–14.0; p-aminophenylbenzenesulfonamide (I) 3.0–4.0, 9.5–11.0; 1-naphthylamino-5-sulfonamide 2.0–4.0, 9.5–13.0; and 1-naphthylamino-4-sulfonamide 9.5–13.0. For titration in glacial AcOH the following fluorescence indicators were found suitable: 1-naphthylamino-4(5, 6 and 7)-sulfonamide, 2-naphthylamino-6(and 8)-sulfonamide, I, and anthranilic acid. Trypaflavine was suitable as a reduction-oxidation fluorescence indicator. A review contg. 104 references is given. M. Hudlický

Reaction of mercury with trypaflavine. M. Maját and V. Suk. *Sborník Československé Pracovní Konf. Anal. Chemiků* 1, 150-8 (1952)(Pub. 1953).—Hg^{++} forms a red ppt. with an alk. soln. of trypaflavine. One γ Hg in a vol. of 0.03 ml. at a diln. of 1:30000 on filter paper, and 60 γ Hg in a vol. of 1 ml. at diln. of 1:17000 in a test tube can be detected by this reaction. Addn. of complexon I (nitrilotriacetic acid), eliminating the pptn. of Pb, Cu, Cd, Al, Cr, and Ni hydroxides, makes the reaction more selective. Only large quantities of molybdates, vanadates, and UO_2^{++} and NH_4^+ ions interfere. Nicholas Feldman

MALAT, M.; SUK, V.; RYBA, O.

Complexometric titration (chelatometry). Part 4. Pyrocatechin violet as a new specific indicator; determination of bismuth [in German with summary in Russian]. Sbor.Chekh.khim.rab. 19 no.2:258-262 Ap '54. (MLRA 7:6)

1. Institut analiticheskoy khimii Karlovskogo universiteta, Praga. (Pyrocatechol) (Bismuth)

Complexometric titrations chelatometry. VI. Cobalt violet, a new specific indicator [illegible]

[illegible]

and a large number of other cations, e.g., Pb, Ni, Nd, Ur, Ce and La. [This is a translation into German of a paper that appeared in *Chem. Ind.*, [illegible] 18, [illegible]]

[illegible] Chelatometric [illegible] Determination

[illegible] M., S., and Ryba, ibid., (2), 258; [illegible] 22, 463; and [illegible] S., M., and Ryba, ibid., (4), 679, using pyro- [illegible] Mn, Zn, Mg, and Cd in alkaline soln. is described, using the same indicator. Soln. of Ni, Mn, and Co were titrated with standard E.D.T.A. soln., using a buffer soln. (*A*) contg. equal vol. of *N*-NH_4Cl and NH_4OH; Zn was buffered with 10–20 ml. buffer soln. (*B*) contg. NH_4Cl and NH_4OH in the proportions [illegible]; and Mg was buffered with 10 ml. of soln. [illegible] drops of indicator were added, and [illegible] complete when the colour changed from [illegible] concentrations [illegible] H.

SUK, V

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CZECH

ometrische Titrationen (Chelatometr Komplex

Mangan,

Masking of Cations

Die Maskierung von Kationen

SIV ACT AV

(4)

Complexometric titrations (chelatometry). IV. Pyrocatechol Violet as a new specific indicator; determination of bismuth. Miroslav Malát, Václav Suk, and Olen Ryba (Karlova Univ., Prague, Czech.). *Chem. Listy* 48, 203-6 (1954); cf. *C.A.* 48, 5715c.—Pyrocatechol Violet (pyrocatechol sulfophthalein) (I) is used as an indicator for complexometric titrations of Bi. A soln. contg. Bi is acidified with HNO_3. After the addn. of a few drops of I, a blue color should develop. If the shade is violet, add NH_3 to develop the clear-blue color. Titrate the soln. with 0.002*M* complexon (III) until a yellow color (after a transient violet color) is reached. Bi can be detd. in the presence of Cd, Cu, Ag, Al, Zn, Co, Ni, Mn, Ca, and Mg. Successful direct titration for the detn. of Th, Co, and Ni is expected.

M. Hudlický

SUK, VACLAV

(4)

Complexometric titrations (chelatometry). VI. Pyrocatechol violet as a new specific indicator. Determination of thorium. Václav Suk, Miroslav Malát, and Olga Malá (Katedra Anal. Chem., Praguc, Czech.). *Chem. Listy* [illegible] (1951); cf. *C.A.* 48, 7483b.—A red complex of Th with pyrocatechol violet (I) is decolorized at pH 3 by titration with complexon. The selectivity of the method permits the detn. of Th in the presence of Pb, Cu, Al, Co, Ni, Mn, Zn, La, Ce, Pr, Nd, Ca, Mg, and NH_4 ions and even in the presence of a 500-fold excess of UO_2^{++}. The sample contg. up to 100 mg. Th in 100 ml. is set to pH 2.5–3.5 with HNO_3 or NH_3, 2–3 drops of I soln. (contg. 0.1 I in 100 ml. H_2O) is added, and the soln. titrated with 0.002–0.1*M* complexon until the red color changes to lemon-yellow.

M. Hudlický

16-13-54

SUK, V.

"Complexometric titrations (chelatometry). VII. Pyrocatechol purple as a new specific indicator; determination of nickel, cobalt, manganese, zinc, magnesium and cadmium." Ceskosloveska Morfologie, Praha, Vol. 48, No. 5, May 1954, p. 663.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

5

1601. **Compleximetric titrations in pharmaceutical analysis. XIII. Determination of bismuth.** V. Sak, O. Koldinsky and M. Malát (Inst. Anal. Chem., Karlovy Univ., Prague, Czechoslovakia) *Českoslov. Farmac.*, 1955, 4 (9), 449-451.—Catechol violet forms an intensely blue complex with bismuth at pH >2. On titrating a bismuth soln. with EDTA (disodium salt) in the presence of this indicator the colour of the soln. changes sharply to yellow at the equivalence point. If the original soln. is violet instead of blue it is too acid and should be adjusted to a pH of 2 to 3 with aq. NH_3. The method is applied to a number of inorganic and organic bismuth compounds, the error for the former being [illegible] per cent and for the latter [illegible] per cent. Among the compounds analyzed were the bismuth gallate, iodogallate, salicylate and tribromophenoxide. The organic matter was destroyed before the titration by heating with HNO_3 and H_2O_2.

A. O. Jakubovic

SOV/CZECH/1704 Compleximetric titrations (chelatometry).
X Catechol violet as new specific indicator.

metals do not interfere with the titration in acetate buffer. (This is a translation into German of a paper originally published in *Chem. Listy*, 1954, 48, 1611.)

A. H. Rogers

SUK, V.

Races and specialism. p. 157. Ceskoslovenska akademie ved. Prumysla zaklady. PRAGUE. Brno. Vol. 27, no. 2, 1955.

SOURCE: East European Accessions List, (EEAI), Library of Congress Vol. 5, no. 12, December 1956

SUK K.

Complexiometric Titrations XVI. The Determination of Bismuth, Nickel and Cobalt with Pyrogallol Red

M. Hasal and A. Jenickova

(In Czech)

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cator. A. pyrogallol red as ... (Chelatometr...

(La, Ce, Pr, Nd, ... containing ... to a slightly ... medium

Chem., Charles Univ., Prague, Czechoslovakia.

SUK, V.

[illegible] titrations [illegible] chelatometry [illegible] with

titrate with EDTA (disodium salt) till the violet (with I) or blue violet (with II) colour changes to red. When using I as indicator, the Ca, Sr and Mg [illegible] present be absent. This method can also be [illegible] determination of Pb in alkaline tartrate. As, Co, Fe [illegible] in presence of Bi, [illegible] H_2SO_4 is necessary. J. ZRA

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653810002-5"

SUK, V.

Pyrocatechol Violet; a chelatometric indicator, a colorimetric and quantitative reagent.

p. 195 (Chemie, Vol. 9, no. 2, Apr. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

Suk, V.

CZECHOSLOVAKIA/Analytic Chemistry - General Topics. E-1

Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 32142

Author : M. Malat, V. Suk.
Inst : -
Title : Remarks Upon the Works of M. Svach "Upon the Application of Brenzcatechinsulfonphthalein to Photometric Analysis. I, II and III".

Orig Pub : Sb. chekhosl. khim. rabot, 1957, 22, No 3, 1055-1057

Abstract : To RZhKhim, 1957, 77304

Card 1/1

19

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001653810002-5"

COUNTRY : Czechoslovakia E-17
CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No. 75806

AUTHOR : Suk, V., Koldinsky, O., and Malat, M.
INST. : Not given
TITLE : Complexonometric Titration in Pharmaceutical Analysis. XVIII. The Determination of Bismuth in Mixtures.
ORIG. PUB. : Ceskoslov Farmac, 7, No 5, 249-251 (1958)

ABSTRACT : The complexonometric method for the determination of Bi using Pyrocatechol Violet as indicator has been applied to the quantitative determination of Bi in various pharmaceutical mixtures: in powders, tablets, blends, and ointments. In a number of medicinal preparations Bi was determined in mixtures with Mg and Hg. For Communication XVII see RZhKhim, 1959, No 14, 50715.

From authors' summary

CARD: 1/1

CZECHOSLOVAKIA/Analytical Chemistry. General Questions. E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

Author : Ryba Olen, Cifka Jiri, Jezkova Dagmar, Malat Miroslav, Suk Vaclav

Inst :

Title : Chemical Indicators. IV. Complexes of Pyrocatechol Violet with Trivalent and Tetravelent Metals.

Orig Pub: Chem. listy, 1957, 51, No 8, 1462-1466; Collect. czechosl. Chem. Communs, 1958, 23, No 1, 71-77.

Abstract: The spectrophotometric method was used to study the formation, composition and stability of the blue-colored complexes of Pyrocatechol Violet (HuP7) with Bi^{3+}, Zr (4+), Sn(4+), Th4+, Ga3+, Al3+ and In3+, which are formed even in an acid medium. For all the elements, with the exception of Sn and Ti, the corresponding

Card : 1/5

CZECHOSLOVAKIA/Analytical Chemistry. General Questions. E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

stability constants of the complexes were calculated. Measurements were made at a constant ionic force 0.2. From the dependence of extinction on pH, at long wave lengths corresponding on the whole to absorption maxima of individual complexes, it is apparent that with increasing pH there are gradually formed complexes of H_4PV with individual cathions, in the previously stated sequence, and the stability of the complexes decreases according to the same sequence. Trend of correlation between extinction and wave length, at different concentrations of cathions and constant values of pH, shows in the case of Bi, Zr, Th, Ga, Al and In a gradual formation of several complexes. With large excesses of the metals the absorption curves are similar to one another and have in

Card : 2/5

CZECHOSLOVAKIA/Analytical Chemistry. General Questions. E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

most instances a sharp maximum at 610-620 mμ. From values of extinction at a definite wave length and constant pH, depending upon the ratio of interacting component parts, it follows that 3- and 4-valent metals, analogously to the 2-valent, form with H_4PV mono- and bi-metallic complexes. Trend of extinction curves in the case of Bi evidences the existence of a 3 metallic complex at pH above 3, which is due to formation of BiO^+. The same results were obtained by the method of continuous measurements. This method confirms the existence of mono- and bimetallic complexes of H_4PV with Bi, Ca, Al and In, and shows that H_4PV also forms complexes in which the ratio H_4PV:metal=2.1 (for example, with

Card : 3/5

E-1

CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

Bi at pH 3.3). On the basis of correlation between extinction and concentration of the corresponding cathion, at constant concentration of H PV and pH, there are calculated from the equations $K_a^K = [MPV^{(n-1)}] / [M^n] \cdot [PV^{4-}]$; $K^K = [M_aPV^{(an-1)}] / [M^n]^a \cdot [PV^{4-}]^b = K_a^K \cdot K^K$, the following stability constants of complexes, for Bi, Zr, Th, Ga, Al and In: lg K^k 32.32 ± 0.04; 31.58 ± 0.07; 27.78 ± 0.15; 26.83 ± 0.06; 24.08 ± 0.07; 22.91 ± 0.15; lg K^K 27.07; 27.40; 23.36; 22.18; 19.13; 18.10; lg K 5.25 ± 0.05; 4.18 ± 0.02; 4.42 ± 0.05; 4.65 ± 0.03; 4.95 ± 0.02; 4.81 ± 0.09. Values of K^K for Bi and Al, calculated from Zhboa curves are in good agreement with the above stated values. With borates (I)

Card : 4/5

COUNTRY : Czechoslovakia L-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 86054

AUTHOR : Malat, M.; Suk, V.; Tenerova, M.
INST. :
TITLE : Complexometric Titration (Chelatometry). XL. Back-Titration to Pyrogallol Red and Bromopyrogallol Red.

ORIG. PUB. : Chem. listy, 1958, 52, No 12, 2408-2409

ABSTRACT : XL. An indirect method has been developed for a complexometric determination of a number of cations, which is based on back-titration of excess Complexon III (I) with solutions of $Bi(NO_3)_3$ or $Pb(NO_3)_2$ in the presence of pyrogallol red (II) or of bromopyrogallol red (III) as an indicator. On titration with solutions of $Bi(NO_3)_3$, an excess of 0.01-0.05 M solution of I is added to 100 ml of solution to be analyzed, then dilute HNO_3 or NH_4OH is added to pH 2-3, followed by approximately 15 drops of a solution of II or III (0.05 g in 100 ml 50% ethanol) and titration with a solution of $Bi(NO_3)_3$ is carried out until the yellow color of the solution changes to red or bordeaux

CARD: 1/7

ORIG. PUB. :

COUNTRY : Czechoslovakia E-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 86054

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : with ascorbic acid (IV). Titration of Tl and Fe in hot solutions is impossible; Tl(1+), prior to its determination, should by oxidized with bromine water to Tl(3+). Titration with a solution of $Pb(NO_3)_2$ is not interfered with by K, Li, Ag, Cr (small amounts), ammonium salts, chlorides, perchlorates, nitrates, and sulfates (up to a ratio 1:500). When II is used, even large amounts of Ca, Sr, Ba, and Mg do not interfere. Of the colored components, the Pt-metals interfere. In determining V, it is necessary to reduce V(5+), beforehand, to VO^{2+}, with IV. In titration of Fe(3+), Tl(3+), or Bi, to prevent their hydrolysis or oxidizing action on II or III, the I should be added to

CARD: 4/7

84

COUNTRY : Czechoslovakia E-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 86054

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : the acidic solution being analyzed, and only then adjust the pH to the required value. The highest probable errors, in all instances, are in the range from ± 0.20 to ± 0.25%. As an example, the determination of In in a Ag - In (9:1) alloy is described.

CARD: 5/7

Copper to pyrocatechol violet.

ORIG. PUB. : Chem. listy, 1958, 52, No 12, 2408-2409.

SUK, V.; MIKETUKOVA, V.

Chemical indicators. V. Chelatometric indicator eriochromcyanin R, its azidobasic properties and formation of metal complexes. In German. Coll.Cz.Chem. 24 no.11:3629-3636 N '59. (EEAI 9:5)

1. Institut fur analytische Chemie, Karlsuniversitat, Prag.
(Indicators and test papers) (Eriochromcyanin R)
(Chelatometry)

SUK, Vaclav

"Chemical indicators" by Eva Banyai. Reviewed by Vaclav Suk.
Chem prum 13 no.1:40 Ja '63.

1. Karlova universita.

KARMAZIN, M.; SUK, V.

Use of a mechanical sieve apparatus for determining the degree of disintegration of drugs from plants. Cesk. farm. 17 no.6: 297-301 Jl '63.

1. Lecive rostliny, n.p., Zbraslav n. Vlt.
(PLANTS, MEDICINAL) (FILTERS)
(CHEMISTRY, ANALYTICAL)

USSR/Mining May 49
Mining Machinery
Coal

"Further Development of Soviet Mining Science and Engineering" 2 pp

"Ugol'" No 5

Discusses publication of decree of the Soviet of Ministers USSR on awarding of Stalin prizes for outstanding work in science and inventions in 1948. Prizes were awarded to A. D. Sukach, S. M. Arutyunyan, A. I. Bashkov, etc., for developing a new coal combine. Mentions operation

50/49T86

USSR/Mining (Contd) May 49

of new combine. Describes development and operating principles of VPM-1 cutting and loading machines at Donbas mines. Discusses principle of new machine.

50/49T86

SUKACH, A. D.

V. N. Khorin and A. D. Sukach

"The Coal Combine 'Donbass'" (Ugol'nyy Kombayn) Moskva, Ugletekhizdat, 1951, 242 p. illus., Diagrs., Tables

KHORIN, V.N., laureat Stalinskoy premii; SUKACH, A.D., laureat Stalinskoy premii; BASHKOV, A.I., redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor

["Donbass-1" coal cutter-loader; manual for its use, maintenance and service] Ugol'nyi kombain "Donbass-1;" rukovodstvo po ekspluatasii, ukhodu i obsluzhivaniiu. 2-e izd., perer. Moskva, Ugletekhizdat, 1954. 294 p. (MLRA 8:7)
(Coal-mining machinery)

KRASNOSEL'SKIY, M. inzhener; KHORIN, V.N.; SUKACH, A.D.

Practical manual for mechanizers. ("Gorniak Coal Mining Combine." V.N. Khorin, A.D. Sukach. Reviewed by M. Krasnosel'skii). Mast. ugl. 3 no.12:25 D'54. (MLRA 8:6)
(Coal mining machinery) (Khorin, V.N.)

SUKACH, A.D.; KHRISTENKO, A.P.; LOTOTSKIY, A.S.

New cutter-loader for hard and tough coals. Ugol' Ukr. Vol.3 no.5:34-38 My '59. (MIRA 12:9)
(Coal mining machinery)

SUKACH, A.D., gornyy inzh.; BELEN'KIY, A.M., gornyy inzh.

Mechanization of mining steeply dipping Donets Basin coal seams. Ugol' Ukr. 4 no.9:13-14 S '60. (MIRA 13:10)
(Donets Basin--Coal mines and mining)
(Coal mining machinery)

SUKACH, A.D., inzh.; RASPOPOV, V.I., inzh.; LITVINOV, G.A., inzh.

UKR1 cutter-loader unit. Ugol' Ukr. 4 no. 11:32-34 N '60.
(MIRA 13:12)

1. Dongiprouglemash.
(Donets Basin--Coal mining machinery)

RASPOPOV, V.I., konstruktor; SUKACH, A.D., konstruktor; D'YACHENKO, K.I., konstruktor; LITVINOV, G.A., konstruktor; GOL'DSHTEYN, M.Ya., konstruktor; MOGILEVSKIY, L.G., konstruktor; ZAYTSEV, G.I., konstruktor; BURLYGA, F.I., red.; SAMOLETOVA, A.V., tekhn. red.

[New equipment unit on pitching seams] Novyi kompleks na krutopadaiushchikh plastakh. Stalino, Knizhnoe izd-vo Stalino-Donbas, 1961. 56 p. (MIRA 16:6)
(Coal mining machinery)

KHORIN, Vladimir Nikitovich, doktor tekhn. nauk, laureat Gosudarstvennoy premii; SUKACH, Aleksandr Davydovich, inzh., laureat Gosudarstvennoy premii; SOSNOV, V.D., otv. red.; SILINA, L.A., red.izd-va; BOLDYREVA, Z.A., tekhn. red.

[The "Donbass-1K" and LGD-2 coal cutter loader; manual of operation, maintenance, and servicing]Ugol'nye kombainy "Donbass-1K" i LGD-2; rukovodstvo po ekspluatatsii, ukhodu i obsluzhivaniiu. Moskva, Gosgortekhizdat, 1962. 324 p. (MIRA 15:10)

(Coal mining machinery)

SUKACH, A.D., inzh.; LEJEKA, I.T., inzh.

New sprayer attachment of the "Donbass-1" cutter-loader.
Ugol' Ukr. 6 no.1:36-37 Ja '62. (MIRA 15:2)

1. Dongiprouglemash.
(Donets Basin—Coal mining machinery)
(Mine dusts)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.; GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.; SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.; SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA, N., red.; MUKHIN, Yu., tekhn.red.

[Economics of agricultural enterprises] Ekonomika sel'skokhoziaistvennykh predpriiatii; uchebnoe posobie. Izd.2., dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Agriculture—Economic aspects)

YANITSKIY, G.; KRIMBERG, B.Ya., stekol'shchik; SUKACH, G., inzh.; VOLOVICH, A., inzh.; BREDUN, I., tekhnolog

Suggested, developed, introduced. Izobr. i rats. no.11:30-31 N '60. (MIRA 13:10)

1. Berdyanskiy zavod dorozhnykh mashin (for Sukach, Volovich).
2. Dnepropetrovskiy rechnoy port (for Bredun).
(Technological innovations)

BLINOV, O.S., inzh., SUKACH, G.Ye., inzh., STEPANOV, D.P., inzh., YAKIMOV, I.D., inzh.; IVANOV, A.S., red.; SEMENOV, S.M., red.; OSOKINA, A.M., red. izd-va.; BACHURINA, A.M., tekhn. red.

[Standard technical specifications for building logging roads] Tipovye tekhnologicheskie pravila proizvodstva rabot po stroitel'stva lesovoznykh dorog. Moskva, Goslesbumizdat. Vol. 2 and 3. [Automobile roads] Avtomobil'nye dorogi. Pt.3. [Engineering structures] Stroitel'stvo iskusstvennykh sooruzhenii. 1957. 46.p. (MIRA 11:10)

1. Moscow. Gosudarstvennyy institut po proektirovaniyu lesnogo transporta.

(Bridges, Wooden)